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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Shiu et al.

Serial No.: 09/893,046

Filed: June 27, 2001

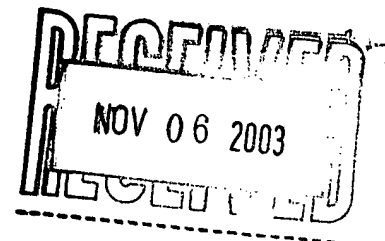
For: TURBO DECODER WITH  
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) Group No. 2681

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Technology Center 2600

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(c)Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants, through their attorney, submit herewith references in accordance with 37 CFR § 1.56.

The citation of these references is not intended to constitute an admission that any reference provided is prior art to the invention of this application unless specifically designated as such.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

October 30, 2003

(Date of Deposit)

Keely Culver

(Name of the Person Making Deposit)

(Signature)

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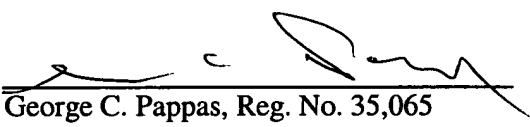
The filing of this document shall not be construed to mean that any search has been made or, that if made such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists. A list of the references is set forth on Form PTO-1449, which is enclosed herewith in duplicate along with a copy of each cited reference. Applicants respectfully request that the Examiner return to Applicants the enclosed copy of the Form PTO-1449 indicating consideration of the references.

- ☒ The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three month prior to the filing of this Information Disclosure Statement, therefore, no fees are believed to be due.

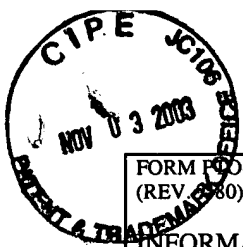
Also enclosed for your convenience is a copy of the International Search Report.

Respectfully submitted,

Dated: October 30, 2003

By:   
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 8-80) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  DATE MAILED: October 30, 2003	ATTY. DOCKET NO. 010176	SERIAL NO. 09/893,046
	APPLICANT Shiu et al.	
	FILING DATE June 27, 2001	GROUP 2681

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	A1	6 1 7 5 5 9 0	01/16/01	Jeremy M. Stein	375	225	
	A2						
	A3						
	A4						
	A5						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1	Yufei Wu et al: "The Influence Of Quantization And Fixed Point Arithmetic Upon The BER Performance Of Turbo Codes", Vehicular Technology Conference, 1999 IEEE 49 <sup>th</sup> Houston, TX, May 16, 1999, pages 1683-1687.
	C2	Czaja S et al: "Variable Data Rate Viterbi Decoder With Modified LOVA Algorithm", Microelectronics and VLSI, 1995. Tencon '95, IEEE Region 10 International Conference of Hong Kong, November 6, 1995, pages 472-475.
	C3	Pietrobon S. S: "Implementation And Performance Of A Turbo/Map Decoder", International Journal Of Satellite Communications, John Wiley and Sons, US., Vol. 16, No. 1, 1998, pages 23-46, XP000856961.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.